



Supplement to the Operating Instructions

Dear Sir or Madam,

we congratulate you on the purchase of this vacuum pump and provide here some notes on handling it.

IMPORTANT!

For reliable functioning of the pump even after years of service, it is essential that you follow the manufacturer's maintenance and operating instructions. Please consider here the function of the gas ballast that is described in the manufacturer's operating instructions.

With open intake and pressure nozzles, the rotary slide-valve pump pumps an air volume of approx. 4 litres/min. This results in vacuum oil being swirled up and transported through the pressure nozzle into the open air, where it is noticeable as oil mist. This operating condition is senseless and leads not only to a high oil consumption but also contamination of the environment.

On evacuating a receiver with vacuum control (air volume approx. 5 -6 litres), an oil mist briefly appears up to the creation of a vacuum by the evacuation of air, but then greatly abates. This effect can be prevented by use of an oil mist filter (article no. 02752.00) on the vacuum pump.

This pump is equipped with a gas ballast valve which has the task of allowing a defined air flow to pass into the pump housing to rinse sucked-in condensate out of the vacuum oil. Condensate means here, for example, the water vapour drawn into the vacuum pump in experiments to demonstrate the lowering of the boiling point of water under reduced air pressure. This water vapour is not completely exhausted from the pump housing by the vacuum pump. It sediments in the oil sump of the device and can in time cause corrosion to vacuum parts.